

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mathew Wenli, reg. no. 63,173, on March 21, 2011.

1. The following claims supersede all previous claims.

1. A control system of an electronic instrument device for metrological measurements, comprising: a handling application operable to control the electronic instrument device; at least one dynamic library associated with the handling application, the handling application operable to identify, through the dynamic library, one or more remote electronic instrument devices in a network of electronic instrument devices including the electronic instrument device through corresponding certification codes uniquely associated with each of the one or more remote electronic instrument devices; and a control application activated through the dynamic library and operable to verify integrity of said handling application, said control application operable to generate a certification code for the handling application in response to verifying that the integrity of the handling application is maintained; wherein the control application is operable to acquire through a network information associated with one or more remote

electronic instrument devices having corresponding handling applications, generate corresponding dynamic libraries on the one or more remote electronic instrument devices comprising the information, and authenticate the one or more remote electronic instrument devices using the corresponding certification codes by the corresponding handling applications of the units through the corresponding dynamic libraries.

2. The control system according to claim 1, wherein said code is associated with a stamp comprising an issuing date of said stamp, a reference code of the electronic instrument device for metrological measurements, and a barcode corresponding to said code.

3. The control system according to claim 1, wherein said control application and said handling application are communicably coupled via the network.

4. cancelled.

5. The control system according to claim 1, wherein said dynamic library is locally stored.

6. The control system according to claim 1, wherein said dynamic library is situated in said central processing unit.

7. The control system according to claim 1, wherein said certification code is obtained using a cryptography algorithm.

8. A method for monitoring an electronic instrument device for metrological measurements, comprising: a processor operable for receiving information associated with a handling application for the electronic instrument device and locally stored, the handling application operable to control the instrument; issuing a certification code associated with the handling application based on the information and operable to indicate that integrity of the handling application has been maintained; identifying, by the handling application through one or more dynamic libraries associated with the handling application, one or more remote electronic instrument devices in a network of a plurality of electronic instrument devices including the instrument through corresponding certification codes uniquely associated with each of the one or more remote electronic instrument devices; acquiring through a network, data associated with one or more remote electronic instrument devices having corresponding handling applications, generating corresponding dynamic libraries on the one or more remote electronic instrument devices comprising the data, and authenticating the one or more remote electronic instrument devices using the corresponding certification codes by the corresponding handling applications of the units through the corresponding dynamic libraries.

9. The method according to claim 8, wherein producing a code includes processing said information using a cryptography algorithm.

10. The method according to claim 8, wherein the received information comprises an authenticity certificate of the handling application.

11. The method according to claim 8, wherein the received information comprises an acknowledgment code of said electronic instrument device.

12. The system of claim 1, wherein the controller is further operable to generate an alert in response to determining a violation of the integrity of the handling application.

13. The system of claim 12, wherein the violation comprises an unregistered modification of the handling application.

14. The system of claim 1, wherein the controller is further operable to prevent the handling application from operating in response to determining the violation.

15. The system of claim 1, wherein the controller is further operable to verify whether a certification associated with the handling application is valid.

16. The system of claim 15, wherein the certification is verified using a digital signature.

17. The method of claim 8, further comprising: determining a violation of the integrity of the handling application; and generating an alert in response to the violation.

18. The method of claim 17, further comprising preventing the handling application from operating in response to determining the violation.

19. The method of claim 8, further comprising: determining that a certification associated with the handling application is invalid; and generating an alert in response to the determining the invalidity.

20. The method of claim 8, further comprising generating a stamp indicating that the integrity of the handling application is verified.

21. The method of claim 8, wherein the information is received at the start of the handling application.

22. The method of claim 8, wherein the cryptography algorithm comprises one of a Secure Hash Algorithm (SHA) hashing algorithm or an RSA hashing algorithm.

23. Cancelled.

24. Cancelled.

## **REASON FOR ALLOWANCE**

2. Examiner finds applicant's amendments to claims 1 and 8 presented on 3/24/2011 to be sufficient to overcome the prior art references of Finley et al. (US Patent No. 6,442,448) and Carapelli (US Patent No. 6,119,110). The Examiner notes that the teachings of Finley and Carapelli, alone or in combination, do not teach nor make obvious applicant's newly amended claim limitation element of: "wherein the control application is operable to acquire through a network, information associated with one or more remote electronic instruments having corresponding handling application, generate corresponding dynamic libraries on the one or more remote electronic instruments comprising the information, and authenticate the one or more remote electronic instruments using the corresponding certification code by the corresponding handling application of the units through the corresponding dynamic libraries". Dependent claims 2, 3, 5-7 and 14-16 all depend on independent claim 1 and are therefore allowed. Dependent claims 9-13 and 17-22 all depend on independent claim 8 and are therefore allowed.

3. The Examiner notes the prior art references of Coppola et al. (US Patent No. 6,360,138) and Shear et al. (US Patent No. 6,292,569). The Examiner notes

that both references disclose verifying integrity of software in a computing environment however neither reference discloses applicant's claim limitation of: "wherein the control application is operable to acquire through a network, information associated with one or more remote electronic instruments having corresponding handling application, generate corresponding dynamic libraries on the one or more remote electronic instruments comprising the information, and authenticate the one or more remote electronic instruments using the corresponding certification code by the corresponding handling application of the units through the corresponding dynamic libraries".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Accordingly, Claims 1-3 and 5-22 are allowed.

### ***Interview Summary***

On March 21, 2011 the Examiner contacted Mr. Mathew Wenli, attorney of record for this application to propose a claim amendment in view of the subject matter disclosed in paragraph 57 of applicant's original disclosure. The Examiner noted that including the subject matter disclosed in paragraph 57 in applicant's independent claims would overcome the prior art and place the application in condition for allowance. Mr. Wenli agreed to review paragraph 57 and draft an

amendment that would be acceptable to his client. On March 24, 2011 Mr. Wenli submitted the amendment to the Examiner for review. The Examiner accepted the amendment and has included it as part of an Examiner Amendment above.

### **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRYAN WRIGHT whose telephone number is (571)270-3826. The examiner can normally be reached on 8:30 am - 5:30 pm Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRYAN WRIGHT/  
Examiner, Art Unit 2431

/William Korzuch/  
Supervisory Patent Examiner, Art Unit 2431